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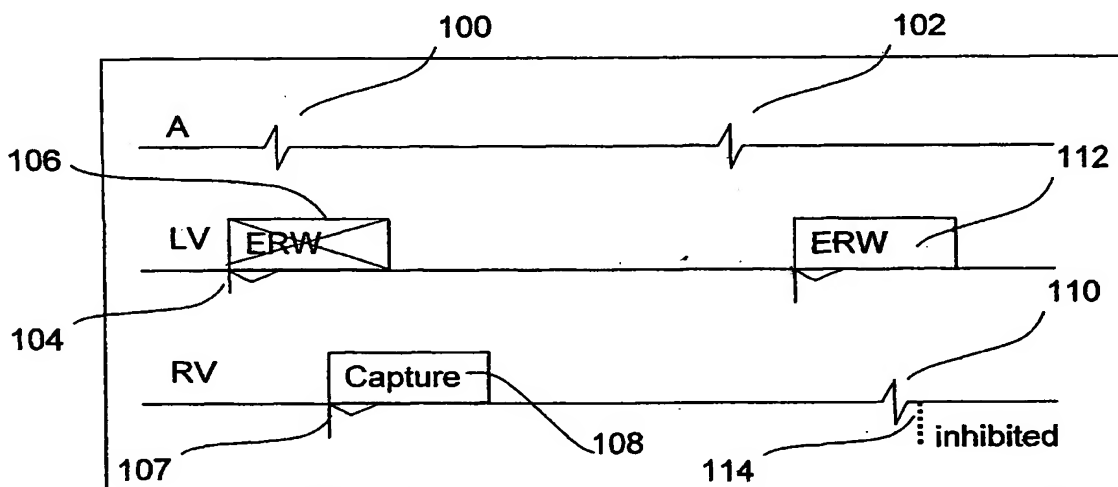
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(54) Title: HEART STIMULATION DEVICE



(57) Abstract: A biventricular stimulation device comprises a pulse generator for delivering stimulation pulses at least to the ventricles of a patient's heart. An evoked response detector has first and second, independent ventricular sensing channels for ventricular evoked response detection in the ventricles. The pulse generator is controlled to deliver stimulation pulses (106) to the second ventricle (RV) with a VV time delay after stimulation pulse delivery (104) to the first stimulated ventricle (LV) which is shorter than an evoked response detection time window (106) following the delivery of the stimulation pulse (104) to the first ventricle. The evoked response detector is arranged to close the evoked response detection time window (106) or discard detections therein in response to the emission of a stimulation pulse (107) to the second ventricle (RV) during the evoked response detection time window (106) of the first stimulated ventricle (LV).

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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,

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